

**OPERAND QUEUE FOR USE IN A FLOATING POINT UNIT  
AND METHOD OF OPERATION**

**ABSTRACT OF THE DISCLOSURE**

5 *Sub A* There is disclosed an operand queue for use in a floating point unit. The floating point unit comprises floating point processing units for executing floating point instructions that write operands to an external memory and for executing floating point instructions that read operands from the external memory.

10 The floating point also comprises an operand queue for storing a plurality of operands associated with one or more operations being processed in the floating point unit. The operand queue stores a first operand being written to an external memory by a first one of the plurality of floating point processing units and supplies the first operand to a floating point read instruction executed by a second one of the plurality of floating point processing units subsequent to the execution of the floating point write instruction.

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